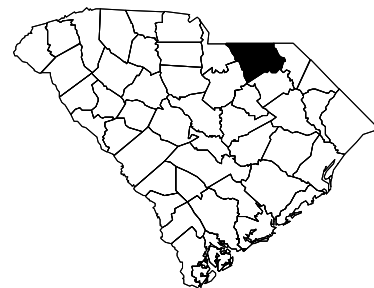


# IMPACT OF CHRONIC CONDITIONS CHESTERFIELD County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Chesterfield county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Chesterfield county's population is similar to the state's. The majority (38%) of the population in Chesterfield county are between the ages of 18-44. There are more females (52%) than males (48%). Chesterfield county's minority population (35%) is higher than the state (32%). When adults in Chesterfield county were asked about their general health status, 81.3% reported having excellent, very good, or good health in 2002 (SC was 83%).

	CHESTERFIELD COUNTY	STATE
<b>Population size</b>	43,206	4,107,183
<b>Age distribution (%)</b>		
<18	25	24
18-44	38	40
45-64	25	24
65-84	11	11
85+	1	1
<b>Race (%)</b>		
White	65	68
Black & Other	35	32
<b>Sex (%)</b>		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Chesterfield county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	32	27
Sedentary lifestyle	28	42
Overweight	57	60
High Cholesterol	9	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	30.9	.	.	.	.	28.4
Number of hospitalizations	35	24	11	14	21	5,173
Standard rate of hospitalizations (per 100,000)	81	184	37	68	87	125
Median age of hospitalized patients	60	60	63	63	58	63
Total cost of hospitalization (\$)	630,700	493,200	137,500	398,700	232,000	79,350,400
Average length of hospital stay (days)	5	5	3	6	3	5
Number of ED visits	71	42	29	22	49	7,306
Standard rate of ED visits (per 100,000)	157	300	96	104	204	175
Median age of ED patients	53	48	63	45	53	53
Total cost of ED visits (\$)	70,400	46,100	24,300	21,600	48,800	5,902,800
Number of deaths*	2	2	-	1	1	366
Standard death rate (per 100,000)*	5	16	-	11	4	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	4.51	.	.	.	.	5.13
Number of hospitalizations	344	65	279	206	138	30,831
Standard rate of hospitalizations (per 100,000)	750	504	846	987	537	734
Median age of hospitalized patients	63	63	63	63	68	68
Total cost of hospitalization (\$)	10,491,400	2,261,300	8,230,100	6,747,300	3,744,100	969,122,700
Average length of hospital stay (days)	4	5	4	4	4	5
Number of ED visits	42	11	31	18	24	2,754
Standard rate of ED visits (per 100,000)	93	81	94	82	94	66
Median age of ED patients	60	68	58	58	68	63
Total cost of ED visits (\$)	241,200	81,500	159,700	150,200	91,000	10,617,900
Number of deaths*	134	40	94	69	65	9,723
Standard death rate (per 100,000)*	322	324	324	423	257	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	1.45	.	.	.	.	2.38
Number of hospitalizations	90	31	59	44	46	14,317
Standard rate of hospitalizations (per 100,000)	205	249	190	224	180	351
Median age of hospitalized patients	70	68	73	68	73	73
Total cost of hospitalization (\$)	1,755,700	579,400	1,176,300	993,100	762,600	279,819,700
Average length of hospital stay (days)	5	5	5	5	5	6
Number of ED visits	26	13	13	13	13	2,732
Standard rate of ED visits (per 100,000)	60	103	45	65	52	67
Median age of ED patients	70	68	73	60	73	73
Total cost of ED visits (\$)	85,100	48,000	37,100	48,700	36,400	6,322,600
Number of deaths*	31	13	18	12	19	2,816
Standard death rate (per 100,000)*	76	116	68	70	74	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	118	34	84	50	68	14,524
Standard rate of hospitalizations (per 100,000)	263	227	262	268	271	351
Median age of hospitalized patients	58	43	63	53	60	58
Total cost of hospitalization (\$)	2,060,900	651,600	1,409,300	742,300	1,318,600	198,700,700
Average length of hospital stay (days)	4	4	5	4	5	5
Number of ED visits	431	219	212	167	264	37,517
Standard rate of ED visits (per 100,000)	997	1,402	754	805	1,184	914
Median age of ED patients	28	18	38	18	28	33
Total cost of ED visits (\$)	440,100	211,300	228,800	188,300	251,800	30,607,600
Number of deaths*	25	2	23	14	11	1,891
Standard death rate (per 100,000)*	60	19	81	101	43	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	9.26	.	.	.	.	8.33
Number of hospitalizations	81	45	36	43	38	8,652
Standard rate of hospitalizations (per 100,000)	183	342	121	203	165	207
Median age of hospitalized patients	53	48	63	48	58	53
Total cost of hospitalization (\$)	948,700	507,500	441,200	602,900	345,800	127,167,500
Average length of hospital stay (days)	4	4	4	5	3	6
Number of ED visits	102	71	31	35	67	9,316
Standard rate of ED visits (per 100,000)	231	519	106	167	276	224
Median age of ED patients	53	53	63	53	58	53
Total cost of ED visits (\$)	113,200	75,700	37,500	40,100	73,100	8,261,100
Number of deaths*	4	2	2	1	1	1,114
Standard death rate (per 100,000)*	10	18	7	6	6	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	162	54	108	60	102	24,644
Standard rate of hospitalizations (per 100,000)	367	417	344	317	418	591
Median age of hospitalized patients	58	53	63	68	58	58
Total cost of hospitalization (\$)	4,361,000	1,307,500	3,053,500	1,726,100	2,634,900	605,119,300
Average length of hospital stay (days)	7	5	7	8	6	6
Number of deaths*	88	26	62	46	42	8,320
Standard death rate (per 100,000)*	206	215	208	258	164	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	11	2	9	3	8	2,113
Standard rate of hospitalizations (per 100,000)	26	15	32	16	31	51
Median age of hospitalized patients	78	65	78	53	80	68
Total cost of hospitalization (\$)	438,100	82,800	355,300	114,800	323,300	80,248,200
Average length of hospital stay (days)	9	10	9	10	9	10
Number of deaths*	10	2	8	3	7	807
Standard death rate (per 100,000)*	24	17	29	14	27	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	4	10	.	14	1,465
Standard rate of hospitalizations (per 100,000)	31	33	31	.	58	35
Median age of hospitalized patients	60	63	60	.	60	63
Total cost of hospitalization (\$)	206,000	41,000	165,000	.	206,000	21,213,600
Average length of hospital stay (days)	3	3	4	.	3	3
Number of deaths*	5	2	3	-	5	630
Standard death rate (per 100,000)*	12	17	11	-	20	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	2	.	3	.	4	5
Median age of hospitalized patients	63	.	63	.	63	48
Total cost of hospitalization (\$)	12,800	.	12,800	.	12,800	3,668,300
Average length of hospital stay (days)	3	.	3	.	1	4
Number of deaths*	-	1	-	1	3	26
Standard death rate (per 100,000)*	-	4	-	4	14	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	32	13	19	18	14	2,154
Standard rate of hospitalizations (per 100,000)	73	102	58	98	55	51
Median age of hospitalized patients	68	58	68	68	63	68
Total cost of hospitalization (\$)	842,700	234,400	608,300	382,400	460,300	70,474,400
Average length of hospital stay (days)	7	5	8	6	9	9
Number of deaths*	30	12	18	20	10	2,481
Standard death rate (per 100,000)*	67	94	55	100	38	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	1,353
Standard rate of hospitalizations (per 100,000)	17	22	15	43	.	32
Median age of hospitalized patients	60	63	58	60	.	68
Total cost of hospitalization (\$)	124,600	40,500	84,100	124,600	.	24,726,200
Average length of hospital stay (days)	3	3	3	3	.	4
Number of deaths*	4	2	2	4	-	478
Standard death rate (per 100,000)*	10	17	7	29	-	12

\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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